



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent  
Docket 270/219  
1723

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In re the Application of:

Inventor: O'CONNOR, Stephen D., et al.

Serial No.: 10/046,071

Filed: January 11, 2002

For: MULTI-STREAM MICROFLUIDIC MIXERS

Group Art Unit: 1723

Examiner: Not yet assigned

Attorney Docket: 270/219

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

In accordance with 37 CFR §§ 1.97 and 1.98, the items identified in this Information Disclosure Statement ("IDS") are brought to the attention of the Office. The items are listed on the attached form PTO-1449 and copies are enclosed for the convenience of the Examiner.

The items identified in this IDS may or may not be "material" pursuant to 37 CFR § 1.56. The submission thereof by Applicants is not to be construed that any such patent, publication, or other information referred to therein is material or considered to be material

CERTIFICATE OF MAILING  
(37 C.F.R. § 1.8)

I hereby certify that this paper (along with any referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date shown below with sufficient postage as First Class Mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231.

September 30, 2002  
Date of Deposit

Vincent K. Gustafson  
Name of Person Mailing Paper

Signature of Person Mailing Paper

(37 CFR § 1.97(h)), or even qualifies as "prior art" invention unless specifically designated by Applicants.

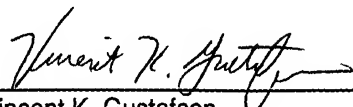
It is believed that this IDS is timely filed before the examination with respect to this on the merits (in satisfaction of 37 C.F.R. 1.97(b)), and therefore no

Patent  
Docket 273/156

Office Action  
required.

Respectfully submitted,

Dated: September 30, 2002

  
Vincent K. Gustafson  
Reg. No. 46,182



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Encl: Completed form PTO-1449  
One copy each of references cited in completed form PTO-1449 (13 total)  
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270/219

10/046,071

LIST OF PATENTS AND OTHER ITEMS FOR APPLICANT'S  
INFORMATION DISCLOSURE STATEMENT

## APPLICANT:

O'Connor, et al.

## FILING DATE:

January 11, 2002

## GROUP:

1723

(Use serial sheets if necessary)

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE
A1	6,190,034	02/20/01	Nielsen, et al.	366	336	10/01/96
A2	5,904,424	05/18/99	Schwesinger, et al.	366	336	03/28/96
A3	5,858,188	01/12/99	Soane, et al.	204	454	04/04/96
A4	5,698,299	12/16/97	Schmidt, et al.	428	209	05/09/95
A5	5,534,328	07/09/96	Ashmead, et al.	428	166	12/02/93
A6	5,070,606	12/10/91	Hoopman, et al.	29	890.09	10/04/89
A7						
A8						

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	NAME	CLASS- IFICATION	TRANSLATION? YES NO
B1	WO 99/29497 •	06/17/99	WIPO/PCT	Kennedy	B32B 3/00	
B2	WO 98/45693 •	10/15/98	WIPO/PCT	Soane, et al.	G01N 27/26	
B3	WO 97/12665 •	04/10/97	WIPO/ PCT	Nielsen, et al.	B01F 5/00	
B4						
B5						

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

EXAMINER INITIAL	OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)
C1	Branebjerg, Jens, et al., "Fast Mixing by Lamination," Proc. Micro Electro Mechanical Systems Workshop, pp. 441-446, IEEE (1996) •
C2	Miyake, Ryo, et al., "Micro Mixer with Fast Diffusion," Proc. Micro Electro Mechanical Systems Workshop, pp. 248-253, IEEE (1993) •
C3	Mensing, H., et al., "Microreactor With Integrated Static Mixer and Analysis System," Micro Total Analysis Systems, pp. 237-240, Kluwer, The Netherlands (1995) •
C4	Larsen, Ulrik D., et al., "Fast Mixing by Parallel Multilayer Lamination," Analytical Methods & Instrumentation, Proc. 2 <sup>nd</sup> International Symposium Miniaturized Total Analysis Systems $\mu$ TAS-96, pp. 228-230 (1996)

EXAMINER:

DATE CONSIDERED:

EXAMINER: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include a copy of this form with next communication to applicant